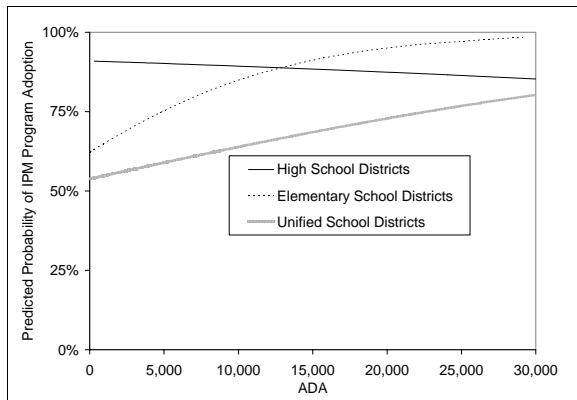
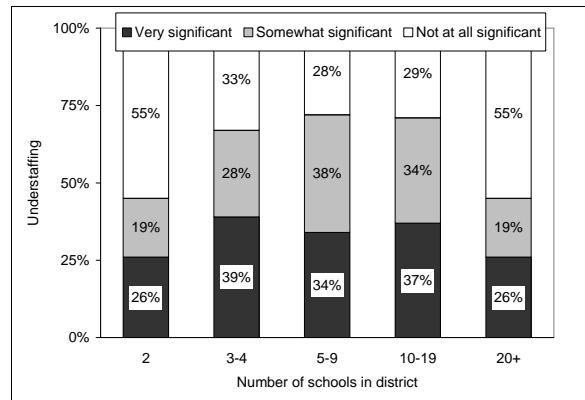


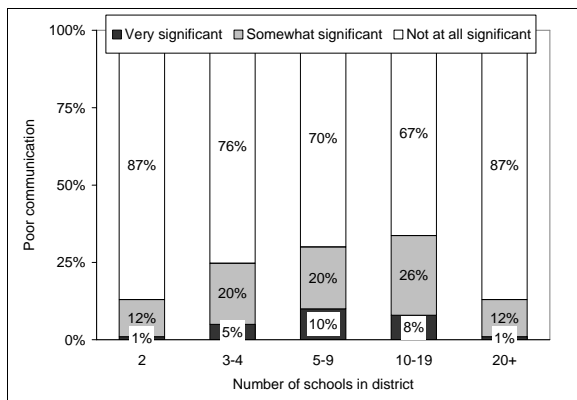
Appendix Figure 5.1 Predicted Probability of IPM Program Adoption by District Type and ADA



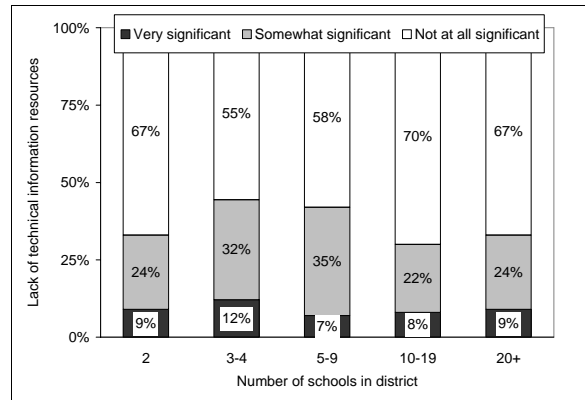
Appendix Figure 5.4 Significance of Understaffing as a Barrier to Using IPM Practices by Number of Schools in District



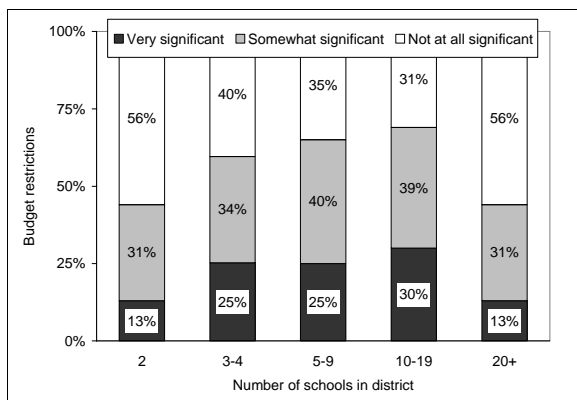
Appendix Figure 5.2 Significance of Poor Communication as a Barrier to Using IPM Practices by Number of Schools in District



Appendix Figure 5.5 Significance of Lack of Technical Information Resources as a Barrier to Using IPM Practices by Number of Schools in District



Appendix Figure 5.3 Significance of Budget Restrictions as a Barrier to Using IPM Practices by Number of Schools in District



Appendix Table 5.1 Summary of Linear Regression Models for Healthy Schools Act Scale

		Model 1		Model 2		Model 3		Model 4		Model 5	
		Standardized Beta Coefficient	Significance	Standardized Beta Coefficient	Significance	Standardized Beta Coefficient	Significance	Standardized Beta Coefficient	Significance	Standardized Beta Coefficient	Significance
Population area	Large city	.094	.076	.063	.205	Removed from model because variable set was no longer significant when average cost per ADA was added to the model		Removed from model because variable set was no longer significant when adoption of IPM program was added to the model		Removed from model because variable set was no longer significant when adoption of IPM program was added to the model	
	Urban fringes of large city	.125	.126	.049	.481						
	Mid-size city	.091	.116	.050	.368						
	Large or small town	.098	.098	.063	.232						
	Rural, inside MSA	-.071	.244	-.095	.109						
	Rural, outside MSA	-.146	.044 *	-.118	.053 *						
Region	North Coastal	-.025	.689	Removed from model because variable set was no longer significant when average cost per ADA was added to the model		-.067	.178	-.078	.091	Removed from model because variable set was no longer significant when IPM program scale was added to the model	
	Sierra	-.010	.873			-.072	.164	-.048	.323		
	North Central	-.092	.080			-.121	.014 **	-.094	.040 *		
	Bay Area	-.120	.021 *			-.083	.113	-.083	.090		
	Central Valley	.036	.559			-.047	.381	-.017	.731		
	Central Coastal	-.078	.124			-.103	.032 *	-.045	.317		
	South Eastern	-.094	.063			-.093	.060	-.063	.175		
Average cost per ADA		Not included in model		-.193	.000 ***	-.222	.000 ***	-.180	.000 ***	-.190	.000 ***
Adopted IPM program		Not included in model		Not included in model		Not included in model		.375	.000 ***	.327	.000 ***
IPM program scale		Not included in model		Not included in model		Not included in model		Not included in model		.191	.000 ***
Adjusted R Square		.075		.089		.068		.206		.238	
Total df		481		481		481		471		444	

Reference categories: urban fringes of a mid-size city, LA/Surrounding Area

Non-significant variables which were tested in models not summarized here: 1) type of district; 2) ADA; and 3) training.

* p ≤ .05; **p ≤ .01; ***p ≤ .001

Appendix Table 5.2 Summary of Linear Regression Models for IPM Program Scale

		Model 1		Model 2		Model 3		Model 4		Model 5	
		Standardized Beta Coefficient	Significance	Standardized Beta Coefficient	Significance	Standardized Beta Coefficient	Significance	Standardized Beta Coefficient	Significance	Standardized Beta Coefficient	Significance
Population area	Large city	.155	.003 **	Not included in model	Not included in model	Not included in model	Not included in model	Removed from model because variable set was no longer significant when ADA was added to the model	Removed from model because variable set was no longer significant when ADA was added to the model	Removed from model because variable set was no longer significant when ADA was added to the model	Removed from model because variable set was no longer significant when ADA was added to the model
	Urban fringes of large city	.169	.020 *								
	Mid-size city	.088	.130								
	Large or small town	.110	.047 *								
	Rural, inside MSA	-.028	.658								
	Rural, outside MSA	-.013	.835								
Region	North Coastal	Not included in model	Not included in model	.016	.745	Not included in model	Not included in model	Removed from model because variable set was no longer significant when ADA was added to the model	Removed from model because variable set was no longer significant when ADA was added to the model	Removed from model because variable set was no longer significant when ADA was added to the model	Removed from model because variable set was no longer significant when ADA was added to the model
	Sierra			-.120	.025 *						
	North Central			-.116	.023 *						
	Bay Area			-.068	.213						
	Central Valley			-.099	.078						
	Central Coastal			-.117	.019 *						
	South Eastern			.013	.801						
Type of district	High School	Not included in model	Not included in model	Not included in model	Not included in model	.070	.142	Removed from model. Not significant when ADA added.	Removed from model. Not significant when ADA added.	Removed from model. Not significant when ADA added.	Removed from model. Not significant when ADA added.
	Unified					.094	.050 *				
ADA		Not included in model	Not included in model	Not included in model	Not included in model	Not included in model	Not included in model	.105	.016 *	.096	.028 *
Adopted IPM program		Not included in model	Not included in model	Not included in model	Not included in model	Not included in model	Not included in model	.359	.000 ***	.275	.000 ***
Healthy Schools Act scale		Not included in model	Not included in model	Not included in model	Not included in model	Not included in model	Not included in model	Not included in model	Not included in model	.200	.000 ***
Adjusted R Square		.039		.018		.006		.142		.172	
Total df		465		465		465		456		444	

Reference categories: urban fringes of a mid-size city, LA/Surrounding Area

Non-significant variables which were tested in models not summarized here: 1) average cost per ADA and 2) training.

* p ≤ .05; **p ≤ .01; ***p ≤ .001

Appendix Table 5.3 Summary of Linear Regression Models for Ant Management Scale

		Model 1		Model 2		Model 3		Model 4	
		Standardized Beta Coefficient	Significance	Standardized Beta Coefficient	Significance	Standardized Beta Coefficient	Significance	Standardized Beta Coefficient	Significance
Population area	Large city	.015	.786	-.012	.836	-.017	.759	-.040	.464
	Urban fringes of large city	-.154	.090	-.180	.044 *	-.086	.253	-.115	.124
	Mid-size city	.015	.810	.024	.696	.040	.516	.031	.607
	Large or small town	-.050	.438	-.094	.146	.012	.834	-.011	.853
	Rural, inside MSA	-.236	.000 ***	-.230	.000 ***	-.208	.001 ***	-.211	.001 ***
	Rural, outside MSA	-.229	.002 **	-.217	.002 **	-.086	.164	-.086	.157
Region	North Coastal	.109	.090	.140	.026 *	Removed from model because variable set was no longer significant when IPM program scale was added to the model	Removed from model because variable set was no longer significant when IPM program scale was added to the model		
	Sierra	.031	.618	.042	.493				
	North Central	-.141	.012 **	-.137	.014 **				
	Bay Area	-.078	.161	-.069	.202				
	Central Valley	-.126	.060	-.119	.071				
	Central Coastal	-.028	.607	-.001	.982				
	South Eastern	.013	.807	.045	.407				
Adopted IPM program		Not included in model		.240	.000 ***	Not included in model		.209	.000 ***
IPM program scale		Not included in model		Not included in model		.301	.000 ***	.231	.000 ***
Adjusted R Square		.071		.136		.131		.167	
Total df		423		408		376		367	

Reference categories: urban fringes of a mid-size city, LA/Surrounding Area

Non-significant variables which were tested in models not summarized here: 1) type of district; 2) ADA; 3) average cost per ADA; 5) training; and 6) Healthy Schools Act scale.

* p ≤ .05; **p ≤ .01; ***p ≤ .001

Appendix Table 5.4 Summary of Linear Regression Models for Ant Management Scale Using Individual Components of IPM Program Scale

			Model 5		Model 6	
			Standardized Beta Coefficient	Significance	Standardized Beta Coefficient	Significance
Population area	Large city		-.002	.976	-.027	.618
	Mid-size city		.062	.317	.056	.368
	Urban fringes of large city		-.080	.286	-.106	.154
	Large or small town		.015	.791	-.006	.922
	Rural, inside MSA		-.219	.000 ***	-.225	.000 ***
	Rural, outside MSA		-.100	.110	-.109	.075
IPM program scale	Adopted written policy requiring:	Use of least-toxic pest management practices	.140	.010 **	.078	.160
		Monitoring of pest levels	.114	.040 *	.095	.087
	Monitoring:	Buildings are inspected for potential pest problems	.152	.008 **	.162	.005 **
		Pests are monitored during the course of a year	.053	.339	.046	.414
	Records are kept of:	Building inspections	-.033	.614	-.039	.553
		Results of pest monitoring	-.082	.233	-.067	.326
		Pest sightings	.222	.000 ***	.204	.000 ***
		Pest treatments used	-.044	.376	-.092	.067
	Adopted IPM program		Not included in model		.191	.000 ***
Adjusted R Square				.167	.200	
Total df				376	367	

Reference category: urban fringes of a mid-size city

* $p \leq .05$; ** $p \leq .01$; *** $p \leq .001$

Appendix Table 5.5 Summary of Linear Regression Models for Weed Management Scale

		Model 1		Model 2		Model 3	
		Standardized Beta Coefficient	Significance	Standardized Beta Coefficient	Significance	Standardized Beta Coefficient	Significance
Region	North Coastal	.125	.009 **	Not included in model		.094	.056
	Sierra	.009	.852			-.008	.871
	North Central	-.152	.002 **			-.160	.001 **
	Bay Area	-.020	.703			-.038	.459
	Central Valley	-.165	.002 **			-.163	.002 **
	Central Coastal	.062	.186			.045	.346
	South Eastern	-.030	.546			-.040	.422
ADA		Not included in model		.086	.051 *	Not included in model	
Average cost per ADA		Not included in model		.173	.000 ***	.122	.007 **
Adjusted R Square		.060		.032		.072	
Total df		496		496		496	

Reference category: LA/Surrounding Area

Non-significant variables which were tested in models not summarized here: 1) population area; 2) type of district; 3) training; 4) adoption of IPM program; 5) Healthy Schools Act scale; and 6) IPM program scale.

* $p \leq .05$; ** $p \leq .01$; *** $p \leq .001$

Appendix Table 5.6 Perceived Significance of Potential Barriers to Using IPM Practices by Population Area

		Population Area							<i>p</i> ¹
		Large city	Urban fringes of large city	Mid-size city	Urban fringes of mid-size city	Large or small town	Rural, inside MSA	Rural, outside MSA	
Age and condition of school facilities	Not at all significant	39%	43%	47%	36%	47%	53%	48%	.838
	Somewhat significant	44%	38%	35%	45%	34%	29%	42%	
	Very significant	17%	19%	18%	18%	19%	18%	10%	
	Total	100%	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	18	171	49	55	32	68	60	
Poor communication within the district	Not at all significant	70%	70%	58%	61%	74%	83%	78%	.331
	Somewhat significant	25%	22%	34%	31%	19%	13%	17%	
	Very significant	5%	8%	8%	7%	6%	4%	5%	
	Total	100%	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	20	166	50	54	31	69	58	
Budget restrictions	Not at all significant	48%	33%	31%	41%	48%	32%	42%	.101
	Somewhat significant	33%	44%	31%	27%	29%	43%	45%	
	Very significant	19%	23%	39%	32%	23%	25%	13%	
	Total	100%	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	21	172	49	56	31	68	60	
Inadequate staff training	Not at all significant	68%	47%	48%	52%	58%	41%	54%	.642
	Somewhat significant	26%	40%	34%	41%	32%	46%	37%	
	Very significant	5%	13%	18%	7%	10%	13%	9%	
	Total	100%	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	19	165	50	54	31	70	57	
Understaffing	Not at all significant	30%	30%	34%	35%	44%	29%	44%	.225
	Somewhat significant	35%	40%	26%	32%	16%	29%	25%	
	Very significant	35%	30%	40%	33%	41%	42%	31%	
	Total	100%	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	20	169	50	57	32	69	59	
Insufficient tool/equipment inventory	Not at all significant	74%	64%	55%	54%	73%	46%	61%	.275
	Somewhat significant	16%	26%	37%	35%	20%	37%	30%	
	Very significant	11%	10%	8%	11%	7%	18%	9%	
	Total	100%	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	19	164	49	54	30	68	57	
Lack of technical information resources	Not at all significant	75%	69%	72%	58%	74%	53%	63%	.488
	Somewhat significant	20%	24%	24%	34%	19%	34%	26%	
	Very significant	5%	7%	4%	8%	6%	13%	11%	
	Total	100%	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	20	167	50	53	31	68	57	
Contracting problems	Not at all significant	63%	78%	80%	85%	93%	66%	84%	.026
	Somewhat significant	37%	18%	14%	11%	0%	24%	14%	
	Very significant	0%	4%	6%	4%	7%	10%	2%	
	Total	100%	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	19	165	49	54	30	68	58	

¹ Significance of chi square. Probabilities ≤ .05 are boxed for easy identification.

Appendix Table 5.7 Perceived Significance of Potential Barriers to Using IPM Practices by Region

		Region								<i>p</i> ¹
		North Coastal	Sierra	North Central	Bay Area	Central Valley	Central Coastal	LA/Surrounding Area	South Eastern	
Age and condition of school facilities	Not at all significant	56%	43%	27%	52%	47%	46%	45%	39%	.438
	Somewhat significant	33%	36%	45%	26%	38%	35%	40%	49%	
	Very significant	11%	21%	27%	22%	15%	19%	15%	12%	
	Total	100%	100%	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	27	53	33	65	93	26	107	49	
Poor communication within the district	Not at all significant	85%	74%	79%	65%	69%	75%	71%	63%	.601
	Somewhat significant	15%	19%	15%	31%	22%	13%	24%	29%	
	Very significant	0%	7%	6%	5%	9%	13%	6%	8%	
	Total	100%	100%	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	27	54	33	62	94	24	106	48	
Budget restrictions	Not at all significant	48%	40%	38%	30%	43%	31%	32%	35%	.483
	Somewhat significant	44%	40%	41%	36%	34%	31%	42%	41%	
	Very significant	7%	20%	21%	33%	23%	38%	26%	24%	
	Total	100%	100%	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	27	55	34	66	94	26	109	46	
Inadequate staff training	Not at all significant	63%	58%	52%	37%	54%	60%	47%	39%	.301
	Somewhat significant	30%	35%	29%	46%	37%	36%	41%	46%	
	Very significant	7%	7%	19%	17%	9%	4%	12%	15%	
	Total	100%	100%	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	27	55	31	63	95	25	104	46	
Understaffing	Not at all significant	52%	50%	30%	29%	35%	23%	28%	28%	.036
	Somewhat significant	30%	22%	21%	29%	29%	35%	42%	39%	
	Very significant	19%	28%	48%	43%	35%	42%	30%	33%	
	Total	100%	100%	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	27	58	33	63	96	26	107	46	
Insufficient tool/equipment inventory	Not at all significant	74%	68%	47%	50%	58%	56%	63%	61%	.504
	Somewhat significant	26%	23%	34%	38%	31%	36%	25%	30%	
	Very significant	0%	9%	19%	12%	11%	8%	12%	9%	
	Total	100%	100%	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	27	53	32	60	93	25	105	46	
Lack of technical information resources	Not at all significant	70%	67%	67%	64%	64%	58%	71%	57%	.536
	Somewhat significant	26%	26%	24%	20%	30%	33%	25%	30%	
	Very significant	4%	7%	9%	16%	6%	8%	4%	13%	
	Total	100%	100%	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	27	54	33	64	94	24	104	46	
Contracting problems	Not at all significant	89%	83%	61%	74%	84%	84%	79%	70%	.187
	Somewhat significant	7%	15%	24%	21%	14%	12%	16%	22%	
	Very significant	4%	2%	15%	5%	2%	4%	5%	9%	
	Total	100%	100%	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	27	53	33	62	93	25	104	46	

¹ Significance of chi square. Probabilities ≤ .05 are boxed for easy identification.

Appendix Table 5.8 Perceived Significance of Potential Barriers to Using IPM Practices by District Type

		District Type			<i>p</i> ¹
		Elem-entary	High School	Unified	
Age and condition of school facilities	Not at all significant	49%	47%	39%	.397
	Somewhat significant	35%	36%	41%	
	Very significant	16%	17%	19%	
	Total	100%	100%	100%	
	<i>Number of cases</i>	230	47	176	
Poor communication within the district	Not at all significant	75%	77%	64%	.110
	Somewhat significant	20%	18%	26%	
	Very significant	5%	5%	10%	
	Total	100%	100%	100%	
	<i>Number of cases</i>	226	44	178	
Budget restrictions	Not at all significant	41%	47%	28%	.036
	Somewhat significant	37%	29%	43%	
	Very significant	22%	24%	29%	
	Total	100%	100%	100%	
	<i>Number of cases</i>	231	45	181	
Inadequate staff training	Not at all significant	52%	49%	47%	.919
	Somewhat significant	38%	40%	40%	
	Very significant	11%	12%	13%	
	Total	100%	100%	100%	
	<i>Number of cases</i>	225	43	178	
Understaffing	Not at all significant	39%	36%	26%	.083
	Somewhat significant	30%	29%	36%	
	Very significant	31%	36%	38%	
	Total	100%	100%	100%	
	<i>Number of cases</i>	231	45	180	
Insufficient tool/equipment inventory	Not at all significant	60%	69%	57%	.540
	Somewhat significant	29%	19%	33%	
	Very significant	10%	12%	11%	
	Total	100%	100%	100%	
	<i>Number of cases</i>	224	42	175	
Lack of technical information resources	Not at all significant	63%	73%	67%	.550
	Somewhat significant	28%	25%	25%	
	Very significant	9%	2%	8%	
	Total	100%	100%	100%	
	<i>Number of cases</i>	225	44	177	
Contracting problems	Not at all significant	77%	84%	78%	.345
	Somewhat significant	18%	16%	15%	
	Very significant	4%	0%	7%	
	Total	100%	100%	100%	
	<i>Number of cases</i>	225	44	174	

¹ Significance of chi square. Probabilities ≤ .05 are boxed for easy identification.

Appendix Table 5.9 Perceived Significance of Potential Barriers to Using IPM Practices by Number of Schools in District

		Number of Schools in District					<i>p</i> ¹
		2	3-4	5-9	10-19	20+	
Age and condition of school facilities	Not at all significant	61%	47%	41%	45%	61%	.072
	Somewhat significant	29%	33%	43%	35%	29%	
	Very significant	10%	20%	17%	20%	10%	
	Total	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	79	66	127	105	79	
Poor communication within the district	Not at all significant	87%	76%	70%	67%	87%	.006
	Somewhat significant	12%	20%	20%	26%	12%	
	Very significant	1%	5%	10%	8%	1%	
	Total	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	76	66	125	105	76	
Budget restrictions	Not at all significant	56%	40%	35%	31%	56%	.004
	Somewhat significant	31%	34%	40%	39%	31%	
	Very significant	13%	25%	25%	30%	13%	
	Total	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	78	67	126	110	78	
Inadequate staff training	Not at all significant	64%	42%	43%	50%	64%	.146
	Somewhat significant	31%	42%	45%	38%	31%	
	Very significant	5%	17%	12%	11%	5%	
	Total	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	77	65	123	105	77	
Understaffing	Not at all significant	55%	33%	28%	29%	55%	.005
	Somewhat significant	19%	28%	38%	34%	19%	
	Very significant	26%	39%	34%	37%	26%	
	Total	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	80	67	124	109	80	
Insufficient tool/equipment inventory	Not at all significant	64%	54%	53%	66%	64%	.286
	Somewhat significant	26%	28%	37%	25%	26%	
	Very significant	9%	18%	10%	9%	9%	
	Total	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	76	65	122	102	76	
Lack of technical information resources	Not at all significant	67%	55%	58%	70%	67%	.047
	Somewhat significant	24%	32%	35%	22%	24%	
	Very significant	9%	12%	7%	8%	9%	
	Total	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	76	65	123	106	76	
Contracting problems	Not at all significant	83%	72%	76%	83%	83%	.583
	Somewhat significant	13%	19%	19%	13%	13%	
	Very significant	4%	9%	5%	4%	4%	
	Total	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	78	64	121	105	78	

¹ Significance of chi square. Probabilities ≤ .05 are boxed for easy identification.

Appendix Table 5.10 Perceived Significance of Potential Barriers to Using IPM Practices by ADA

		ADA				<i>p</i> ¹
		Under 500	500-2,499	2,500 – 7,499	7500 or more	
Age and condition of school facilities	Not at all significant	46%	48%	49%	39%	.270
	Somewhat significant	39%	31%	39%	42%	
	Very significant	15%	22%	12%	20%	
	Total	100%	100%	100%	100%	
	<i>Number of cases</i>	107	111	108	127	
Poor communication within the district	Not at all significant	86%	71%	65%	63%	.002
	Somewhat significant	12%	19%	28%	29%	
	Very significant	2%	10%	7%	8%	
	Total	100%	100%	100%	100%	
	<i>Number of cases</i>	106	109	106	127	
Budget restrictions	Not at all significant	49%	37%	34%	28%	.024
	Somewhat significant	35%	35%	43%	42%	
	Very significant	16%	29%	23%	30%	
	Total	100%	100%	100%	100%	
	<i>Number of cases</i>	108	112	107	130	
Inadequate staff training	Not at all significant	56%	43%	45%	54%	.300
	Somewhat significant	36%	41%	43%	35%	
	Very significant	7%	16%	12%	11%	
	Total	100%	100%	100%	100%	
	<i>Number of cases</i>	107	107	107	125	
Understaffing	Not at all significant	47%	33%	28%	29%	.041
	Somewhat significant	23%	31%	39%	35%	
	Very significant	30%	36%	34%	36%	
	Total	100%	100%	100%	100%	
	<i>Number of cases</i>	109	110	109	128	
Insufficient tool/equipment inventory	Not at all significant	61%	49%	65%	63%	.158
	Somewhat significant	26%	37%	28%	28%	
	Very significant	13%	14%	7%	9%	
	Total	100%	100%	100%	100%	
	<i>Number of cases</i>	105	106	107	123	
Lack of technical information resources	Not at all significant	60%	52%	72%	75%	.004
	Somewhat significant	28%	37%	23%	19%	
	Very significant	11%	11%	5%	6%	
	Total	100%	100%	100%	100%	
	<i>Number of cases</i>	106	106	108	126	
Contracting problems	Not at all significant	77%	78%	79%	79%	.438
	Somewhat significant	18%	13%	17%	18%	
	Very significant	6%	9%	4%	2%	
	Total	100%	100%	100%	100%	
	<i>Number of cases</i>	107	105	106	125	

¹ Significance of chi square. Probabilities ≤ .05 are boxed for easy identification.

Appendix Table 5.11 Perceived Significance of Potential Barriers to Using IPM Practices by Cost per ADA

		Cost per ADA				<i>p</i> ¹
		Under \$6,300	\$6,300-\$6,699	\$6,700-\$7,399	\$7,400 or more	
Age and condition of school facilities	Not at all significant	52%	42%	40%	46%	.576
	Somewhat significant	36%	39%	40%	36%	
	Very significant	13%	18%	20%	18%	
	Total	100%	100%	100%	100%	
	<i>Number of cases</i>	126	119	103	105	
Poor communication within the district	Not at all significant	71%	68%	62%	82%	.064
	Somewhat significant	21%	25%	32%	13%	
	Very significant	7%	8%	6%	6%	
	Total	100%	100%	100%	100%	
	<i>Number of cases</i>	126	120	98	104	
Budget restrictions	Not at all significant	37%	31%	29%	50%	.003
	Somewhat significant	36%	46%	36%	36%	
	Very significant	27%	22%	36%	14%	
	Total	100%	100%	100%	100%	
	<i>Number of cases</i>	127	121	104	105	
Inadequate staff training	Not at all significant	53%	50%	36%	57%	.039
	Somewhat significant	32%	40%	50%	34%	
	Very significant	15%	9%	14%	9%	
	Total	100%	100%	100%	100%	
	<i>Number of cases</i>	124	119	100	103	
Understaffing	Not at all significant	30%	33%	32%	41%	.028
	Somewhat significant	31%	37%	24%	36%	
	Very significant	39%	30%	44%	23%	
	Total	100%	100%	100%	100%	
	<i>Number of cases</i>	125	123	104	104	
Insufficient tool/equipment inventory	Not at all significant	58%	60%	55%	65%	.635
	Somewhat significant	30%	28%	37%	25%	
	Very significant	12%	12%	8%	10%	
	Total	100%	100%	100%	100%	
	<i>Number of cases</i>	125	116	98	102	
Lack of technical information resources	Not at all significant	64%	68%	65%	65%	.929
	Somewhat significant	26%	26%	28%	25%	
	Very significant	10%	6%	7%	10%	
	Total	100%	100%	100%	100%	
	<i>Number of cases</i>	125	119	100	102	
Contracting problems	Not at all significant	77%	76%	79%	82%	.893
	Somewhat significant	18%	20%	16%	13%	
	Very significant	5%	4%	5%	6%	
	Total	100%	100%	100%	100%	
	<i>Number of cases</i>	123	117	100	103	

¹ Significance of chi square. Probabilities ≤ .05 are boxed for easy identification.

Appendix Table 5.12 Linear Regression Models Describing Relationships between District Characteristics and IPM Information Resource Awareness and Use Scales

		Information Resource Awareness Scale				Information Resource Use Scale						
		Model 1		Model 2		Model 1		Model 2		Model 3		
		Standard- ized Beta Coefficient	Signif- icance	Standard- ized Beta Coefficient	Signif- icance	Standard- ized Beta Coefficient	Signif- icance	Standard- ized Beta Coefficient	Signif- icance	Standard- ized Beta Coefficient	Signif- icance	
Population area	Large city	-.013	.805	Not included in model		.063	.235	.017	.739	Not included in model		
	Urban fringes of large city	.085	.262			.185	.028*	.077	.291			
	Mid-size city	.032	.590			.166	.005**	.131	.026*			
	Large or small town	.024	.680			.091	.138	-.007	.898			
	Rural, inside MSA	-.106	.102			-.056	.382	-.088	.164			
	Rural, outside MSA	-.187	.004**			-.040	.586	-.167	.007**			
Region	North Coastal	Not included in model		-.183	.000***	-.086	.169	Not included in model		-.156	.002**	
	Sierra			-.061	.263	.031	.596			-.032	.538	
	North Central			-.067	.200	-.083	.109			-.115	.020*	
	Bay Area			.024	.661	.044	.393			.043	.412	
	Central Valley			-.038	.504	.160	.010**			.086	.127	
	Central Coastal			-.036	.471	.034	.502			-.020	.677	
	South Eastern			-.102	.057	-.083	.113			-.095	.068	
District type	High School	Not included in model		Not included in model		.126	.007**	.122	.010**	.173	.000***	
	Unified				.080	.096	.052	.277	.125	.009**		
Attended 2002 or 2003 DPR IPM training		Not included in model		Not included in model			.180	.000***	.170	.000***	.206	.000***
Adjusted R Square		.053		.024			.162		.130		.124	
Total df		445		445			445		445		445	

Reference categories: urban fringes of mid-size city; LA/surrounding area; and elementary school district.

* p ≤ .05; **p ≤ .01; ***p ≤ .001

Appendix Table 5.13 Use and Awareness of Information Resources by Population Area

		Population Area							<i>p</i> ¹
		Large city	Urban fringes of large city	Mid-size city	Urban fringes of mid-size city	Large or small town	Rural, inside MSA	Rural, outside MSA	
DPR School IPM Web site	Have accessed	67%	65%	76%	55%	68%	45%	31%	.000
	Aware of but have not accessed	19%	20%	14%	24%	19%	21%	26%	
	Not aware of	14%	14%	10%	21%	14%	33%	43%	
	Total	100%	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	21	182	51	58	37	75	74	
Brochures/handouts from DPR	Have accessed	52%	63%	74%	69%	57%	47%	45%	.015
	Aware of but have not accessed	19%	21%	10%	11%	16%	25%	19%	
	Not aware of	29%	16%	16%	20%	27%	28%	36%	
	Total	100%	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	21	179	50	61	37	72	73	
Presentations by DPR staff	Have accessed	55%	36%	51%	29%	20%	8%	19%	.000
	Aware of but have not accessed	20%	35%	22%	39%	46%	53%	30%	
	Not aware of	25%	29%	27%	32%	34%	39%	51%	
	Total	100%	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	20	174	51	56	35	72	70	
Training workshops on school IPM	Have accessed	60%	57%	73%	46%	44%	38%	38%	.000
	Aware of but have not accessed	20%	28%	16%	43%	39%	35%	29%	
	Not aware of	20%	15%	12%	11%	17%	27%	33%	
	Total	100%	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	20	181	51	61	36	74	72	
Information provided by licensed pest control business	Have accessed	62%	64%	66%	53%	46%	57%	39%	.004
	Aware of but have not accessed	24%	23%	10%	28%	31%	22%	24%	
	Not aware of	14%	13%	24%	19%	23%	22%	37%	
	Total	100%	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	21	177	50	57	35	74	75	
University of California resources	Have accessed	37%	35%	36%	25%	27%	13%	17%	.009
	Aware of but have not accessed	32%	33%	21%	36%	38%	37%	30%	
	Not aware of	32%	31%	43%	39%	35%	51%	54%	
	Total	100%	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	19	178	47	56	37	71	71	
Information from other web site sources	Have accessed	30%	40%	52%	33%	47%	30%	17%	.003
	Aware of but have not accessed	25%	29%	19%	31%	28%	20%	33%	
	Not aware of	45%	31%	29%	36%	25%	51%	50%	
	Total	100%	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	20	178	48	55	36	71	72	
California Department of Education, School Facilities Planning Division	Have accessed	5%	22%	27%	34%	26%	19%	13%	.021
	Aware of but have not accessed	25%	43%	33%	30%	37%	31%	33%	
	Not aware of	70%	36%	41%	36%	37%	50%	54%	
	Total	100%	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	20	174	49	56	35	70	72	

¹ Significance of chi square. Probabilities ≤ .05 are boxed for easy identification.

Appendix Table 5.14 Use and Awareness of Information Resources by Region

		Region								<i>p</i> ¹
		North Coastal	Sierra	North Central	Bay Area	Central Valley	Central Coastal	LA/Surrounding Area	South Eastern	
DPR School IPM Web site	Have accessed	34%	46%	50%	63%	61%	56%	68%	57%	.013
	Aware of but have not accessed	20%	29%	34%	18%	18%	26%	17%	18%	
	Not aware of	46%	25%	16%	19%	21%	19%	16%	25%	
	Total	100%	100%	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	35	65	38	72	95	27	115	51	
Brochures/handouts from DPR	Have accessed	42%	59%	62%	69%	64%	58%	58%	51%	.013
	Aware of but have not accessed	11%	16%	18%	15%	14%	23%	27%	18%	
	Not aware of	47%	25%	21%	15%	22%	19%	15%	31%	
	Total	100%	100%	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	36	63	39	71	94	26	113	51	
Presentations by DPR staff	Have accessed	12%	33%	24%	42%	29%	20%	35%	16%	.039
	Aware of but have not accessed	38%	26%	43%	37%	38%	40%	33%	42%	
	Not aware of	50%	41%	32%	21%	33%	40%	31%	42%	
	Total	100%	100%	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	34	61	37	71	92	25	108	50	
Training workshops on school IPM	Have accessed	33%	51%	31%	56%	62%	22%	63%	37%	.000
	Aware of but have not accessed	31%	28%	49%	29%	23%	63%	22%	33%	
	Not aware of	36%	21%	21%	15%	15%	15%	15%	29%	
	Total	100%	100%	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	36	61	39	72	95	27	114	51	
Information provided by licensed pest control business	Have accessed	19%	48%	51%	49%	70%	59%	61%	70%	.000
	Aware of but have not accessed	35%	23%	24%	27%	16%	30%	22%	18%	
	Not aware of	46%	28%	24%	24%	13%	11%	17%	12%	
	Total	100%	100%	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	37	60	37	70	97	27	111	50	
University of California resources	Have accessed	11%	31%	14%	39%	26%	26%	34%	18%	.094
	Aware of but have not accessed	34%	34%	32%	30%	31%	33%	33%	34%	
	Not aware of	54%	34%	54%	30%	43%	41%	33%	48%	
	Total	100%	100%	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	35	61	37	66	91	27	112	50	
Information from other web site sources	Have accessed	29%	29%	22%	42%	40%	46%	38%	30%	.328
	Aware of but have not accessed	23%	35%	35%	32%	22%	15%	25%	28%	
	Not aware of	49%	35%	43%	26%	37%	38%	38%	42%	
	Total	100%	100%	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	35	62	37	69	89	26	112	50	
California Department of Education, School Facilities Planning Division	Have accessed	14%	20%	11%	25%	26%	38%	23%	10%	.162
	Aware of but have not accessed	36%	39%	35%	28%	35%	19%	41%	44%	
	Not aware of	50%	41%	54%	47%	39%	42%	36%	46%	
	Total	100%	100%	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	36	61	37	68	92	26	108	48	

¹ Significance of chi square. Probabilities ≤ .05 are boxed for easy identification.

Appendix Table 5.15 Use and Awareness of Information Resources by District Type

		District Type			<i>p</i> ¹
		Elem-entary	High School	Unified	
DPR School IPM Web site	Have accessed	50%	81%	61%	<u>.002</u>
	Aware of but have not accessed	24%	9%	20%	
	Not aware of	26%	11%	19%	
	Total	100%	100%	100%	
	<i>Number of cases</i>	<i>260</i>	<i>47</i>	<i>191</i>	
Brochures/handouts from DPR	Have accessed	53%	74%	63%	<u>.042</u>
	Aware of but have not accessed	20%	11%	18%	
	Not aware of	27%	15%	19%	
	Total	100%	100%	100%	
	<i>Number of cases</i>	<i>256</i>	<i>46</i>	<i>191</i>	
Presentations by DPR staff	Have accessed	23%	42%	35%	<u>.015</u>
	Aware of but have not accessed	38%	35%	34%	
	Not aware of	39%	23%	30%	
	Total	100%	100%	100%	
	<i>Number of cases</i>	<i>248</i>	<i>43</i>	<i>187</i>	
Training workshops on school IPM	Have accessed	49%	67%	49%	<u>.041</u>
	Aware of but have not accessed	28%	25%	34%	
	Not aware of	23%	8%	17%	
	Total	100%	100%	100%	
	<i>Number of cases</i>	<i>255</i>	<i>48</i>	<i>192</i>	
Information provided by licensed pest control business	Have accessed	54%	61%	59%	.597
	Aware of but have not accessed	23%	26%	22%	
	Not aware of	23%	13%	20%	
	Total	100%	100%	100%	
	<i>Number of cases</i>	<i>255</i>	<i>46</i>	<i>188</i>	
University of California resources	Have accessed	19%	37%	37%	<u>.000</u>
	Aware of but have not accessed	34%	33%	31%	
	Not aware of	47%	30%	32%	
	Total	100%	100%	100%	
	<i>Number of cases</i>	<i>245</i>	<i>46</i>	<i>188</i>	
Information from other web site sources	Have accessed	28%	52%	41%	<u>.001</u>
	Aware of but have not accessed	28%	26%	27%	
	Not aware of	45%	22%	31%	
	Total	100%	100%	100%	
	<i>Number of cases</i>	<i>246</i>	<i>46</i>	<i>188</i>	
California Department of Education, School Facilities Planning Division	Have accessed	21%	33%	19%	.236
	Aware of but have not accessed	33%	33%	40%	
	Not aware of	46%	35%	41%	
	Total	100%	100%	100%	
	<i>Number of cases</i>	<i>248</i>	<i>43</i>	<i>185</i>	

¹ Significance of chi square. Probabilities ≤ .05 are boxed for easy identification.

Appendix Table 5.16 Use and Awareness of Information Resources by ADA

		ADA				<i>p</i> ¹
		Under 500	500-2,499	2,500-7,499	7500 or more	
DPR School IPM Web site	Have accessed	28%	60%	66%	75%	.000
	Aware of but have not accessed	27%	22%	19%	15%	
	Not aware of	45%	18%	15%	9%	
	Total	100%	100%	100%	100%	
	<i>Number of cases</i>	127	125	116	130	
Brochures/handouts from DPR	Have accessed	42%	59%	63%	72%	.000
	Aware of but have not accessed	24%	15%	21%	14%	
	Not aware of	34%	25%	16%	14%	
	Total	100%	100%	100%	100%	
	<i>Number of cases</i>	125	123	116	129	
Presentations by DPR staff	Have accessed	14%	17%	36%	51%	.000
	Aware of but have not accessed	38%	45%	34%	28%	
	Not aware of	48%	38%	30%	21%	
	Total	100%	100%	100%	100%	
	<i>Number of cases</i>	123	118	111	126	
Training workshops on school IPM	Have accessed	37%	38%	59%	69%	.000
	Aware of but have not accessed	29%	42%	31%	20%	
	Not aware of	34%	20%	11%	11%	
	Total	100%	100%	100%	100%	
	<i>Number of cases</i>	126	124	114	131	
Information provided by licensed pest control business	Have accessed	42%	51%	64%	70%	.000
	Aware of but have not accessed	26%	23%	23%	19%	
	Not aware of	32%	26%	13%	11%	
	Total	100%	100%	100%	100%	
	<i>Number of cases</i>	127	120	116	126	
University of California resources	Have accessed	14%	19%	37%	41%	.000
	Aware of but have not accessed	33%	38%	30%	29%	
	Not aware of	53%	43%	33%	30%	
	Total	100%	100%	100%	100%	
	<i>Number of cases</i>	123	118	114	124	
Information from other web site sources	Have accessed	19%	32%	38%	52%	.000
	Aware of but have not accessed	30%	26%	32%	22%	
	Not aware of	51%	42%	31%	26%	
	Total	100%	100%	100%	100%	
	<i>Number of cases</i>	124	117	111	128	
California Department of Education, School Facilities Planning Division	Have accessed	17%	26%	25%	19%	.055
	Aware of but have not accessed	34%	28%	43%	39%	
	Not aware of	49%	46%	32%	43%	
	Total	100%	100%	100%	100%	
	<i>Number of cases</i>	126	115	113	122	

¹ Significance of chi square. Probabilities ≤ .05 are boxed for easy identification.

Appendix Table 5.17 Use and Awareness of Information Resources by Cost per ADA

		Cost per ADA				<i>p</i> ¹
		Under \$6,300	\$6,300-\$6,699	\$6,700-\$7,399	\$7,400 or more	
DPR School IPM Web site	Have accessed	64%	61%	61%	43%	.001
	Aware of but have not accessed	20%	24%	18%	21%	
	Not aware of	16%	14%	21%	36%	
	Total	100%	100%	100%	100%	
	<i>Number of cases</i>	135	127	113	123	
Brochures/handouts from DPR	Have accessed	59%	61%	66%	51%	.188
	Aware of but have not accessed	17%	22%	14%	20%	
	Not aware of	24%	17%	20%	29%	
	Total	100%	100%	100%	100%	
	<i>Number of cases</i>	133	128	114	118	
Presentations by DPR staff	Have accessed	29%	37%	32%	20%	.128
	Aware of but have not accessed	38%	33%	37%	36%	
	Not aware of	33%	30%	31%	43%	
	Total	100%	100%	100%	100%	
	<i>Number of cases</i>	128	123	109	118	
Training workshops on school IPM	Have accessed	50%	60%	49%	43%	.211
	Aware of but have not accessed	31%	25%	33%	31%	
	Not aware of	19%	15%	18%	25%	
	Total	100%	100%	100%	100%	
	<i>Number of cases</i>	133	126	114	122	
Information provided by licensed pest control business	Have accessed	65%	65%	52%	43%	.001
	Aware of but have not accessed	20%	21%	26%	25%	
	Not aware of	15%	14%	22%	32%	
	Total	100%	100%	100%	100%	
	<i>Number of cases</i>	129	126	112	122	
University of California resources	Have accessed	24%	31%	30%	26%	.904
	Aware of but have not accessed	34%	30%	32%	34%	
	Not aware of	41%	39%	38%	40%	
	Total	100%	100%	100%	100%	
	<i>Number of cases</i>	128	122	108	121	
Information from other web site sources	Have accessed	32%	46%	35%	29%	.040
	Aware of but have not accessed	24%	23%	33%	30%	
	Not aware of	44%	31%	32%	41%	
	Total	100%	100%	100%	100%	
	<i>Number of cases</i>	126	124	109	121	
California Department of Education, School Facilities Planning Division	Have accessed	21%	24%	20%	20%	.974
	Aware of but have not accessed	35%	37%	37%	35%	
	Not aware of	44%	39%	43%	45%	
	Total	100%	100%	100%	100%	
	<i>Number of cases</i>	127	121	109	119	

¹ Significance of chi square. Probabilities ≤ .05 are boxed for easy identification.

Appendix Table 5.18 Use and Awareness of Information Resources by DPR IPM Training

		Attended DPR IPM training in 2002 or 2003?		<i>p</i> ¹
		Yes	No	
DPR School IPM Web site	Have accessed	76%	55%	.007
	Aware of but have not accessed	10%	22%	
	Not aware of	14%	23%	
	Total	100%	100%	
	<i>Number of cases</i>	59	439	
Brochures/ handouts from DPR	Have accessed	75%	57%	.016
	Aware of but have not accessed	8%	20%	
	Not aware of	16%	23%	
	Total	100%	100%	
	<i>Number of cases</i>	61	432	
Presentations by DPR staff	Have accessed	67%	24%	.000
	Aware of but have not accessed	15%	39%	
	Not aware of	18%	37%	
	Total	100%	100%	
	<i>Number of cases</i>	60	418	
Training workshops on school IPM	Have accessed	78%	47%	.000
	Aware of but have not accessed	8%	33%	
	Not aware of	13%	20%	
	Total	100%	100%	
	<i>Number of cases</i>	60	435	
Information provided by licensed pest control business	Have accessed	48%	58%	.155
	Aware of but have not accessed	22%	23%	
	Not aware of	30%	19%	
	Total	100%	100%	
	<i>Number of cases</i>	60	429	
University of California resources	Have accessed	52%	24%	.000
	Aware of but have not accessed	18%	35%	
	Not aware of	30%	41%	
	Total	100%	100%	
	<i>Number of cases</i>	60	419	
Information from other web site sources	Have accessed	53%	33%	.002
	Aware of but have not accessed	28%	27%	
	Not aware of	18%	40%	
	Total	100%	100%	
	<i>Number of cases</i>	60	420	
California Depart- ment of Education, School Facilities Planning Division	Have accessed	15%	22%	.126
	Aware of but have not accessed	47%	34%	
	Not aware of	37%	43%	
	Total	100%	100%	
	<i>Number of cases</i>	59	417	

¹ Significance of chi square. Probabilities ≤ .05 are boxed for easy identification.

Appendix Table 5.19 Correlation Coefficients for Information Resource Awareness and Use and District Characteristics

		DPR School IPM Web site		Brochures/hand- outs from DPR		Presentations by DPR staff		Training workshops on school IPM		Information provided by licensed pest control business		University of California resources		Information from other web sources		California Department of Education, School Facilities Planning Division	
		Aware- ness	Access	Aware- ness	Access	Aware- ness	Access	Aware- ness	Access	Aware- ness	Access	Aware- ness	Access	Aware- ness	Access	Aware- ness	Access
Population area	Large city	.038	.039	-.031	-.029	.041	.117*	-.004	.038	.033	.023	.034	.042	-.033	-.024	-.116*	-.084
	Urban fringes of large city	.136**	.122**	.114*	.063	.080	.102*	.072	.094*	.143**	.112*	.132**	.135**	.101*	.072	.108*	.008
	Mid-size city	.097*	.130**	.052	.102*	.050	.163***	.064	.148***	-.028	.065	-.018	.064	.056	.116*	.013	.042
	Urban fringes of mid-size city	.009	-.017	.026	.075	.017	-.007	.073	-.036	.012	-.028	.004	-.021	.007	-.020	.051	.111*
	Large or small town	.056	.058	-.031	-.013	.000	-.059	.018	-.035	-.015	-.060	.028	-.003	.072	.070	.031	.029
	Rural, inside MSA	-.119**	-.103*	-.052	-.099*	-.041	-.195***	-.083	-.108*	-.010	.003	-.092*	-.139**	-.116*	-.051	-.062	-.029
	Rural, outside MSA	-.219***	-.223***	-.131**	-.117**	-.149***	-.099*	-.148***	-.109*	-.175***	-.153***	-.116*	-.099*	-.110*	-.165***	-.098*	-.092*
Region	North Coastal	-.160***	-.129**	-.166***	-.099*	-.091*	-.108*	-.120**	-.097*	-.179***	-.217***	-.083	-.101*	-.065	-.040	-.043	-.053
	Sierra	-.028	-.088*	-.026	-.002	-.054	.028	-.020	.001	-.071	-.061	.043	.031	.014	-.051	.013	-.016
	North Central	.041	-.043	.014	.015	.011	-.033	-.010	-.117**	-.026	-.029	-.084	-.091*	-.036	-.083	-.067	-.075
	Bay Area	.022	.042	.069	.083	.116*	.117*	.041	.040	-.037	-.065	.078	.106*	.095*	.057	-.036	.036
	Central Valley	.007	.036	.002	.047	.017	-.002	.055	.111*	.089*	.137**	-.029	-.013	.002	.050	.035	.056
	Central Coastal	.018	-.009	.019	-.006	-.028	-.049	.027	-.137**	.057	.014	-.004	-.009	-.006	.054	.002	.100*
	LA/Surrounding Area	.080	.115**	.098*	-.017	.032	.067	.059	.136**	.047	.053	.077	.079	-.002	.024	.072	.023
	South Eastern	-.031	-.004	-.072	-.056	-.055	-.101*	-.088	-.091*	.072	.092*	-.057	-.073	-.033	-.039	-.022	-.090*
District Type	Elementary	-.104*	-.149**	-.101*	-.125**	-.105*	-.148*	-.103*	-.043	-.054	-.049	-.156***	-.201***	-.157***	-.167***	-.062	-.021
	High School	.087	.153***	.056	.097*	.073	.085	.090*	.105*	.061	.029	.063	.069	.105*	.114*	.049	.085
	Unified	.054	.061	.070	.070	.065	.102*	.051	-.020	.019	.033	.122**	.165***	.098*	.102*	.034	-.038
ADA		.085	.030	.065	-.003	.080	.148***	.066	.109*	.055	.000	.078	.044	.083	.032	.037	-.027
Cost per ADA		-.184***	-.211***	-.053	-.048	-.082	-.083	-.120**	-.065	-.119**	-.171***	-.035	-.046	-.041	-.129**	-.050	-.013
Attended DPR IPM training in 2002 or 2003		.072	.140**	.055	.125**	.127**	.309***	.055	.205***	-.086	-.061	.076	.204***	.148***	.142**	.041	-.057
Number of cases		498	498	493	493	478	478	495	495	489	489	479	479	480	480	476	476

* p ≤ .05; **p ≤ .01; ***p ≤ .001

Appendix Table 5.20 Mean Scores on Information Resource Awareness and Use Scales by Job Category and IPM Coordinator Designation

		Information Resource Awareness Scale			Information Resource Use Scale		
		Designated IPM Coordinator?			Designated IPM Coordinator?		
		Yes	No	Total	Yes	No	Total
Mean	Administration	4.7	4.9	4.8	2.2	3.0	2.3
	Front office/business	5.4	2.5	4.4	2.4	1.3	2.0
	Safety/risk management	5.6	7.0	5.7	3.7	3.0	3.7
	M&O Director/Coordinator	6.0	3.6	5.8	3.6	2.5	3.5
	M&O Manager/Supervisor	6.4	6.1	6.3	4.1	3.7	4.1
	M&O Worker	5.7	4.9	5.5	3.3	2.6	3.1
	Total	5.8	4.6	5.6	3.4	2.7	3.3
Number of cases	Administration	53	11	64	53	11	64
	Front office/business	22	11	33	22	11	33
	Safety/risk management	19	1	20	19	1	20
	M&O Director/Coordinator	136	10	146	136	10	146
	M&O Manager/Supervisor	96	15	111	96	15	111
	M&O Worker	34	14	48	34	14	48
	Total	360	62	422	360	62	422

Appendix Table 5.21 Mean Scores on IPM Information Resource Awareness and Use Scales by Job Area/Level and Tenure as IPM Coordinator (for IPM Coordinators Only)

			Length of time as IPM Coordinator					Total
			Less than 1 year	1-2 years	3-4 years	5-10 years	More than 10 years	
Information resource awareness scale	Mean	Administration	4.0	4.3	5.6	5.5	4.0	4.8
		Front office/business	5.5	5.8	5.0	8.0	8.0	5.7
		Safety/risk management	6.5	4.8	6.0	7.0	1.0	5.6
		M&O Director/Coordinator	5.1	5.9	6.1	6.7	7.4	6.0
		M&O Manager/Supervisor	5.4	5.9	6.9	8.0	7.0	6.4
		M&O Worker	3.0	6.4	5.9	5.7	3.0	5.7
		Total	5.0	5.7	6.2	6.6	6.3	5.9
	Number of cases	Administration	5	20	17	6	4	52
		Front office/business	6	6	7	1	1	21
		Safety/risk management	2	4	10	1	1	18
		M&O Director/Coordinator	19	51	47	12	7	136
		M&O Manager/Supervisor	20	30	30	5	11	96
		M&O Worker	4	16	10	3	1	34
		Total	56	127	121	28	25	357
Information resource access scale	Mean	Administration	1.2	1.9	2.5	3.2	2.0	2.2
		Front office/business	3.3	1.2	2.4	5.0	4.0	2.5
		Safety/risk management	6.5	2.5	3.6	6.0	1.0	3.7
		M&O Director/Coordinator	1.8	3.5	4.0	4.3	5.0	3.6
		M&O Manager/Supervisor	3.0	3.6	5.5	4.8	3.8	4.1
		M&O Worker	1.0	3.6	4.2	2.0	2.0	3.3
		Total	2.5	3.1	4.1	4.0	3.7	3.5
	Number of cases	Administration	5	20	17	6	4	52
		Front office/business	6	6	7	1	1	21
		Safety/risk management	2	4	10	1	1	18
		M&O Director/Coordinator	19	51	47	12	7	136
		M&O Manager/Supervisor	20	30	30	5	11	96
		M&O Worker	4	16	10	3	1	34
		Total	56	127	121	28	25	357

Appendix Table 5.22 Access and Awareness of Information Resources by IPM Coordinator Designation

		Is respondent the designated IPM coordinator for their school district?		<i>p</i> ¹
		Yes	No	
DPR School IPM Web site	Have accessed	61%	43%	.000
	Aware of but have not accessed	21%	16%	
	Not aware of	18%	41%	
	Total	100%	100%	
	<i>Number of cases</i>	422	76	
Brochures/ handouts from DPR	Have accessed	63%	41%	.000
	Aware of but have not accessed	18%	19%	
	Not aware of	19%	40%	
	Total	100%	100%	
	<i>Number of cases</i>	419	75	
Presentations by DPR staff	Have accessed	32%	17%	.001
	Aware of but have not accessed	38%	31%	
	Not aware of	31%	52%	
	Total	100%	100%	
	<i>Number of cases</i>	405	75	
Training workshops on school IPM	Have accessed	54%	34%	.000
	Aware of but have not accessed	30%	30%	
	Not aware of	16%	36%	
	Total	100%	100%	
	<i>Number of cases</i>	422	76	
Information provided by licensed pest control business	Have accessed	57%	51%	.041
	Aware of but have not accessed	24%	18%	
	Not aware of	19%	31%	
	Total	100%	100%	
	<i>Number of cases</i>	413	77	
University of California resources	Have accessed	29%	19%	.008
	Aware of but have not accessed	35%	26%	
	Not aware of	36%	55%	
	Total	100%	100%	
	<i>Number of cases</i>	405	74	
Information from other web site sources	Have accessed	35%	37%	.251
	Aware of but have not accessed	29%	20%	
	Not aware of	36%	43%	
	Total	100%	100%	
	<i>Number of cases</i>	405	75	
California Department of Education, School Facilities Planning Division	Have accessed	22%	17%	.169
	Aware of but have not accessed	38%	31%	
	Not aware of	40%	52%	
	Total	100%	100%	
	<i>Number of cases</i>	402	75	

¹ Significance of chi square. Probabilities ≤ .05 are boxed for easy identification.

Appendix Table 5.23 Use and Awareness of Information Resources by Job Area/Level

		Job Category						<i>p</i> ¹
		Admin- istration	Front office /business	Safety risk manage- ment	M&O Director/ Coor- dinator	M&O Manager/ Super- visor	M&O Worker	
DPR School IPM Web site	Have accessed	41%	39%	73%	61%	70%	55%	.000
	Aware of but have not accessed	20%	16%	9%	25%	17%	25%	
	Not aware of	39%	45%	18%	14%	13%	21%	
	Total	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	70	38	22	158	126	53	
Brochures/ handouts from DPR	Have accessed	40%	39%	68%	63%	70%	63%	.001
	Aware of but have not accessed	26%	31%	18%	18%	16%	9%	
	Not aware of	34%	31%	14%	20%	14%	28%	
	Total	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	68	36	22	158	125	54	
Presentations by DPR staff	Have accessed	7%	8%	32%	35%	40%	36%	.000
	Aware of but have not accessed	37%	44%	27%	40%	35%	26%	
	Not aware of	55%	47%	41%	25%	25%	38%	
	Total	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	67	36	22	154	120	53	
Training workshops on school IPM	Have accessed	25%	27%	50%	60%	62%	49%	.000
	Aware of but have not accessed	35%	30%	32%	28%	27%	31%	
	Not aware of	40%	43%	18%	11%	10%	20%	
	Total	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	68	37	22	158	125	55	
Information provided by licensed pest control business	Have accessed	47%	45%	62%	60%	63%	44%	.061
	Aware of but have not accessed	22%	21%	19%	23%	23%	31%	
	Not aware of	31%	34%	19%	17%	14%	24%	
	Total	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	68	38	21	159	122	54	
University of California resources	Have accessed	15%	11%	23%	27%	41%	33%	.001
	Aware of but have not accessed	42%	38%	23%	29%	35%	33%	
	Not aware of	43%	51%	55%	44%	24%	33%	
	Total	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	67	37	22	156	120	51	
Information from other web site sources	Have accessed	29%	21%	45%	33%	43%	42%	.059
	Aware of but have not accessed	26%	21%	27%	29%	27%	34%	
	Not aware of	44%	58%	27%	38%	30%	25%	
	Total	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	68	38	22	156	118	53	
California Department of Education, School Facilities Planning Division	Have accessed	28%	16%	29%	20%	26%	13%	.658
	Aware of but have not accessed	34%	39%	38%	35%	38%	40%	
	Not aware of	38%	45%	33%	46%	37%	46%	
	Total	100%	100%	100%	100%	100%	100%	
	<i>Number of cases</i>	68	38	21	156	117	52	

¹ Significance of chi square. Probabilities ≤ .05 are boxed for easy identification.

Appendix Table 5.24 Mean Scores on IPM Scales by Ratings of District Characteristics

		Healthy Schools Act Scale			IPM Program Scale			Ant Management Scale			Weed Management Scale		
		Mean	Number of cases	p ¹	Mean	Number of cases	p ¹	Mean	Number of cases	p ¹	Mean	Number of cases	p ¹
Communication between district pest manager(s) and other district staff on pest management issues	Good	34.7	251	.000	20.9	248	.000	90.9	222	.001	71.7	262	.236
	Fair	34.5	167		18.9	157		90.9	145		65.8	170	
	Poor	27.9	38		12.8	36		78.4	35		74.3	38	
	Not sure	20.9	11		13.6	11		57.8	10		70.0	12	
Availability of technical information on pest management in schools	Good	35.1	244	.000	21.5	240	.000	93.7	232	.002	72.1	258	.281
	Fair	34.5	158		18.5	150		84.2	127		66.7	163	
	Poor	28.5	47		13.0	43		77.0	38		67.4	43	
	Not sure	22.6	19		14.0	20		82.7	16		63.5	20	
Use of pest prevention methods	Good	34.6	214	.016	21.1	209	.000	94.3	194	.003	71.4	221	.639
	Fair	33.7	196		18.9	185		85.7	174		68.4	204	
	Poor	32.0	50		14.3	50		79.6	40		66.8	50	
	Not sure	22.9	7		14.3	7		68.8	6		63.1	8	
Use of pest monitoring methods	Good	34.8	153	.047	23.7	157	.000	94.3	136	.040	74.5	152	.018
	Fair	33.9	206		19.5	191		87.7	184		69.2	218	
	Poor	33.4	79		12.3	80		82.1	70		65.4	82	
	Not sure	28.3	23		13.7	19		83.4	18		54.6	24	
Overall reduction of exposure to pesticides	Good	34.2	328	.000	20.2	316	.005	93.7	288	.000	72.5	338	.021
	Fair	34.6	116		17.9	112		80.0	104		62.0	121	
	Poor	21.3	15		11.0	15		75.8	13		64.6	13	
	Not sure	31.3	8		19.3	7		62.1	9		67.6	11	
Training opportunities for district staff in pest management	Good	36.3	152	.000	21.9	150	.000	93.4	144	.000	69.6	154	.161
	Fair	34.0	186		20.2	174		93.3	161		72.0	190	
	Poor	32.6	95		15.7	92		78.9	82		66.9	103	
	Not sure	25.6	27		14.5	28		70.2	21		58.2	27	
Contracting procedures used for hiring outside pest control services	Good	35.1	271	.000	20.8	263	.001	90.7	250	.336	69.3	277	.510
	Fair	35.1	110		19.5	104		85.0	94		66.1	112	
	Poor	27.3	22		15.8	20		82.6	18		65.4	23	
	Not sure	27.6	45		14.3	43		86.1	35		73.8	49	

¹ Significance of ANOVA F-test. Probabilities ≤ .05 are boxed for easy identification.

Appendix Table 6.1 Comparison of Regional Distribution for 2002 and 2004 Statewide and Responding Districts

	All Districts Statewide			Responding Districts		
	2002	2004	Difference between 2002 and 2004 distributions	2002	2004	Difference between 2002 and 2004 distributions ¹
North Coastal	6.4%	6.5%	.1%	6.5%	7.8%	1.3%
Sierra	13.5%	13.3%	-.2%	12.9%	12.9%	.0%
North Central	8.5%	8.5%	.0%	8.2%	7.8%	-.4%
Bay Area	16.8%	16.5%	-.3%	16.8%	14.4%	-2.4%
Central Valley	21.8%	21.7%	-.1%	18.5%	19.4%	.9%
Central Coastal	5.6%	5.7%	.1%	5.5%	5.3%	-.2%
LA/Surrounding Area	19.7%	19.8%	.1%	22.5%	22.6%	.1%
South Eastern	8.0%	8.1%	.1%	9.1%	9.9%	.8%
Total	100.0%	100.0%		100.0%	100.0%	

¹ Chi square goodness of fit test found no significant difference between 2002 and 2004 responding districts ($p=.975$).

Appendix Table 6.2 Comparison of General Pest Management Practices for 2002 and 2004 Surveys

		2002	2004
Number of years ago that district adopted an IPM program	Less than two years ago	50%	6%
	Two years ago	28%	28%
	Three years ago	6%	32%
	Four years ago	2%	18%
	Five years ago	6%	5%
	More than five years ago	9%	11%
	Total	100%	100%
	<i>Number of cases</i>	230	299

Appendix Table 6.3 Comparison of Ant Management Practices Inside School Buildings for 2001, 2002 and 2004 Surveys

		2001	2002	2004	p^1
Does district do anything to manage ants inside school buildings? ²	Yes	75%	83%	80%	<u>.015</u>
	No	25%	17%	20%	
	Total	100%	100%	100%	
	<i>Number of cases</i>	392	418	533	

¹ Significance of chi square. Probabilities $\leq .05$ are boxed for easy identification.

² There are differences in question wording across years for this item. In 2001, districts were asked whether, within the last two years, their district treated for ants inside school buildings. In 2002, districts were instructed to skip a block of questions if they had not treated for ants inside school buildings within the last year. In 2004, districts were asked whether they had done anything to manage ants inside school buildings within the last 12 months.

Appendix Table 6.4 Comparison of Weed Management Practices for 2001, 2002 and 2004 Surveys

		2001	2002	2004	p^1
Does district do anything to manage weeds? ²	Yes	91%	91%	94%	.063
	No	9%	9%	6%	
	Total	100%	100%	100%	
	<i>Number of cases</i>	394	418	533	

¹ Significance of chi square. Probabilities $\leq .05$ are boxed for easy identification.

² There are differences in question wording across years for this item. In 2001, districts were asked whether, in the last two years, their district treated for weeds. In 2002, districts were instructed to skip a block of questions if they had not treated for weeds within the last year. In 2004, districts were asked whether they had done anything to manage weeds within the last 12 months.